Approved For Release 2004/05/05 : CIA-RDP78T04743A000200010024-6

25X1

IB - 138/63
10 July 1963
Copy 4 of 5

MEMORANDUM FOR: Chief, Military-Economic Division, ORR

25X1 ATTENTION : [redacted]

FROM : Chief, CIA/PID (NPIC)

Declass Review by NGA.

SUBJECT : Hsi-an Aircraft Engine Plant

REFERENCE : Requirement No. C-RR-3-80,257
Project No. C 093-63

1. This memorandum is in answer to referenced requirement concerning Hsi-an Aircraft Engine Plant.

2. This study has been conducted on a comparison basis, utilizing photographic coverage from [redacted] (Enclosure #1) 25X1
25X1 [redacted] (Enclosure #2). The following paragraphs contain a description of the facilities and the level of activity at the plant, including the adjacent areas. A key to annotations is furnished for the photo enlargements Enclosures #1 and #2. Enclosures #1 and #2 have corresponding annotation numbers.

3. Hsi-an Aircraft Engine Plant is located on the South side of the Wei-Ho River, approximately 6.1 nm due North of Hsi-an City Center at coordinates 34° 22' 45"N/108° 58' 42"E. This plant is approximately 35 nm ENE of Wu-hung Aircraft Engine Plant and approximately 21.5 nm SW of Yen-liang Airframe Plant. Hsi-an Aircraft Engine Plant is served by both road and an extensive network of rail spurs. This plant is under construction and appears to be approximately 80 per cent complete. Considering the rate of construction activity between
25X1 [redacted] construction apparently commenced in early
25X1 1958. Enclosure #1 [redacted] shows the Engine Plant containing approximately 1,147,550 square feet of floor space. Enclosure #2 [redacted] shows 25X1
an increase of approximately 1,482,450 square feet of floorspace. Buildings containing this increase are indicated by the double asterisk in the key to annotations. This increase gives the Aircraft Engine Plant a total estimated floorspace of 2,630,000 square feet. Two new buildings are under construction on Enclosure #2 (Annotations #15 and #37). A true estimate of floorspace cannot be determined on these buildings because of the early stages of construction. The enclosed area of the plant contains ample space for future expansion. The outlined area on Enclosure #2 may or may not constitute the future limits of this plant. All permanent type buildings within the outlined area have been included in the total floorspace for this plant, only the major buildings and facilities have been
25X1 annotated. Enclosure #2 [redacted] shows a notable increase in construction activities. There is a construction equipment and storage area located outside of the fence adjacent to the SE corner of the plant area (See Annotation B).

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Vehicles and construction equipment are evident through-out the area. The largest percentage of construction since [redacted] has been in the workers housing and administration area at Annotation "A" approximately 70 apartment, administration and service buildings have been added. Annotation "C" show the underground water reservoirs for the Engine Plant and housing area. The Engine Plants test facilities are contained in the test building at Annotation #10 (Enclosure #3). This building is not shown on Enclosure #1 [redacted]. The test building appears to be approximately 90 percent complete. This is a multi-winged building, with a base wing measuring approximately 300' x 85'. There are four projecting wings, two measure 200' x 70' and will contain double test bays, one measures 200' x 55' and will contain a single test bay and one measures 200' x 70' and will contain a single test bay with an additional servicing area. The four projecting wings are served by individual exhaust towers approximately 45 feet above ground level.

KEY TO ANNOTATIONS:

**1. Underground POL Reservoir, Control and Pumping Station - under construction
**2. Workshop - 350' x 125', 43,750 square feet
*3. Workshop - 350' x 125', 43,750 square feet
4. Workshop - 165' x 45', 7,425 square feet
**5. Power Sub-station
**6. Unidentified Building - 15,000 square feet
*7. Workshop - 330' x 130', 42,900 square feet
8. Two Storage Buildings and Two Workshops - 29,650 square feet
**9. Steam Plant under construction (50% complete) - 18,000 square feet
**10. One Large Warehouse and Two Small Storage Buildings - 43,150 square feet
**11. Warehouse - 400' x 80', 32,000 square feet
**12. Warehouse - 400' x 55', 22,000 square feet
**13. Warehouse and Shop - 380' x 165', 62,700 square feet
**14. Four Storage-type Buildings - 17,475 square feet
**15. Building Under Construction
**16. Engine Test Building - 69,500 square feet
*17. Sub-assembly and Final Assembly - 700' x 340' - 238,000 Square feet
*18. Sub-assembly and Final Assembly - 700' x 340' - 238,000 square feet
*19. Sub-assembly, Machine Shops and Final Assembly - 700' x 310' - 217,000 sq. ft.
*20. Heavy Machine Shops and Foundry Buildings - 136,300 square feet
*21. Storage Shed and Warehouse - 41,150 square feet
**22. Workshop Under Construction - will be 450' x 185', 83,250 square feet
**23. Workshop Under Construction - will be 450' x 250', 112,500 square feet
24. One Warehouse and three Storage Buildings - 45,900 square feet
**25. Sub-assembly and Final Assembly - 700' x 340' - 238,000 square feet
26. Administration Building - 45,650 square feet
27. Storage Building - 9,600 square feet
28. Workshop - 500' x 115', 57,500 square feet
**29. Machine Shop - 365' x 250', 90,250 square feet
30. Two Warehouses - 22,500 square feet

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[redacted] 25X1

31. Forge/Foundry Building - 500' x 135', 67,500 square feet
**32. Administration Building - ( ) stories) - 48,750 square feet
**33. Machine shop/Workshop Building - 34,500 square feet
**34. Unidentified Building - 300' x 70', 21,000 square feet
35. Warehouse - 300' x 70', 21,000 square feet
**36. Two Warehouses - 34,500 square feet
**37. Building Site
38. One Warehouse and Four Storage Buildings - 33,900 square feet
39. Unidentified Building - 130' x 70', 9,100 square feet
40. Temporary Sheds and Storage Area
41. Two Storage Buildings - 11,000 square feet
**42. Vehicle Repair Sheds - 15,000 square feet
43. Shop Building - 100' x 60', 6,000 square feet
**44. Two possible Lab/Research Buildings - 61,600 square feet
**45. Two possible Lab/Research Buildings - 52,500 square feet
**46. Administration Building - 22,550 square feet

*Denotes buildings underconstruction on Enclosure #1 [redacted] 25X1
and completed on Enclosure #2 [redacted] 25X1

**Denotes buildings and facilities added or under construction on Enclosure #2
25X1 [redacted]

4. The photo analyst on this project is [redacted], who may 25X1
25X1 be contacted on extension [redacted] should you have further questions regarding this project.

[redacted] 25X1

ENCLOSURES:
CIA/PIB/IB-P-216/63
CIA/PIB/IB-P-217/63

[redacted] 25X1

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